

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference K 12067 WO	FOR FURTHER ACTION	See item 4 below
International application No. PCT/EP2004/010795	International filing date (<i>day/month/year</i>) 25 September 2004 (25.09.2004)	Priority date (<i>day/month/year</i>) 20 October 2003 (20.10.2003)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant VOLKSWAGEN AKTIENGESELLSCHAFT		

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 5 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

- | | | |
|-------------------------------------|--------------|---|
| <input checked="" type="checkbox"/> | Box No. I | Basis of the report |
| <input type="checkbox"/> | Box No. II | Priority |
| <input type="checkbox"/> | Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability |
| <input type="checkbox"/> | Box No. IV | Lack of unity of invention |
| <input checked="" type="checkbox"/> | Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/> | Box No. VI | Certain documents cited |
| <input type="checkbox"/> | Box No. VII | Certain defects in the international application |
| <input type="checkbox"/> | Box No. VIII | Certain observations on the international application |

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).

<p style="text-align: center;">The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No. +41 22 338 82 70</p>	<p>Date of issuance of this report 27 July 2006 (27.07.2006)</p> <p>Authorized officer</p> <p style="text-align: center; font-size: 1.2em;">Yolaine Cussac</p> <p>e-mail: pt11@wipo.int</p>
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PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:

PCT

Translation

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:		See Form PCT/ISA/210 (sheet 2)
Applicant's or agent's file reference K 12067 WO		FOR FURTHER ACTION See paragraph 2 below
International application No. PCT/EP2004/010795	International filing date (day/month/year) 25.09.2004	Priority date (day/month/year) 20.10.2003
International Patent Classification (IPC) or both national classification and IPC B60K37/06, B60K35/00, G09F9/00		
Applicant VOLKSWAGEN AKTIENGESELLSCHAFT		

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/EP	Authorized officer
Facsimile No.	Telephone No.

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2004/010795

Box No. I

Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
☐ This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material
☐ in written format
☐ in computer readable form
 - c. time of filing/furnishing
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/EP2004/010795

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	4-6, 8-19	YES
	Claims	1-3, 7, 20	NO
Inventive step (IS)	Claims		YES
	Claims	1-20	NO
Industrial applicability (IA)	Claims	1-20	YES
	Claims		NO

2. Citations and explanations:

Reference is made to the following documents:

D1: DE 198 57 837 A (MANNESMANN VDO AG) 21 June 2000
(2000-06-21)

D2: EP-A-1 089 307 (BAYERISCHE MOTOREN WERKE AG) 4 April
2001 (2001-04-04)

D3: DE 198 49 973 A (BOSCH GMBH ROBERT) 11 May 2000
(2000-05-11)

D4: PATENT ABSTRACTS OF JAPAN volume 1998, number 12, 31
October 1998 (1998-10-31) & JP 10 188733 A (FUJITSU TEN
LTD), 21 July 1998 (1998-07-21)

D5: DE 197 51 649 A (BOSCH GMBH ROBERT) 27 May 1999
(1999-05-27)

D6: WO 03/036455 A (BADARNEH ZIAD) 1 May 2003 (2003-05-
01)

1. The present application does not meet the requirements
of PCT Article 33(1) because the subject matter of claim
1 is not novel within the meaning of PCT Article 33(2).

Document D1 discloses (the references between parentheses
relate to this document):

A rotary knob for operating a motor vehicle by rotation

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2004/010795

Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

of the rotary knob, the rotary knob having an at least partially transparent display layer which rotates with the rotary knob during a rotational movement of the latter and a controllable light source for presenting variable information on the display layer.

2. The features of claims 2, 3 and 20 are also known from D1.

3. Dependent claims 4-19 do not contain any features which, in combination with the features of any claim to which they refer, meet the PCT requirements for novelty and inventive step, see documents D2 to D6 and the corresponding parts of the text cited in the search report.

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

Translation

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

Date of mailing (day/month/year)	See Form PCT/ISA/210 (sheet 2)
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Applicant's or agent's file reference K 12067 WO		FOR FURTHER ACTION See paragraph 2 below	
International application No. PCT/EP2004/010795	International filing date (day/month/year) 25.09.2004	Priority date (day/month/year) 20.10.2003	
International Patent Classification (IPC) or both national classification and IPC B60K37/06, B60K35/00, G09F9/00			
Applicant VOLKSWAGEN AKTIENGESELLSCHAFT			

1. This opinion contains indications relating to the following items:

- | | | |
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| <input checked="" type="checkbox"/> | Box No. I | Basis of the opinion |
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Name and mailing address of the ISA/EP	Authorized officer
Facsimile No.	Telephone No.

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2004/010795

Box No. 1

Basis of this opinion

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WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2004/010795

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

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	Claims	<u>1-3, 7, 20</u>	NO
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Industrial applicability (IA)	Claims	<u>1-20</u>	YES
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From the INTERNATIONAL BUREAU

PCTNOTIFICATION CONCERNING
TRANSMITTAL OF COPY OF INTERNATIONAL
PRELIMINARY REPORT ON PATENTABILITY
(CHAPTER I OF THE PATENT COOPERATION
TREATY)

(PCT Rule 44bis.1(c))

To:

VOLKSWAGEN AKTIENGESELLSCHAFT
Brieffach 1770
38436 Wolfsburg
ALLEMAGNE

SB.	GK	erl.	Dot.
Frist:			
EZP	11. Mai 2006		
Admin.		erl.	Dot.
rl.			

IMPORTANT NOTICE

Date of mailing (day/month/year) 04 May 2006 (04.05.2006)		
Applicant's or agent's file reference K 12067 WO		
International application No. PCT/EP2004/010795	International filing date (day/month/year) 25 September 2004 (25.09.2004)	Priority date (day/month/year) 20 October 2003 (20.10.2003)
Applicant VOLKSWAGEN AKTIENGESELLSCHAFT et al		

The International Bureau transmits herewith a copy of the international preliminary report on patentability (Chapter I of the Patent Cooperation Treaty)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Yolaine Cussac
Facsimile No.+41 22 740 14 35	Facsimile No.+41 22 338 70 80

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

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Applicant VOLKSWAGEN AKTIENGESELLSCHAFT			

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3.	<p>This report contains indications relating to the following items:</p> <table style="width: 100%;"> <tr> <td style="width: 10%; text-align: center;"><input checked="" type="checkbox"/></td> <td style="width: 30%;">Box No. I</td> <td style="width: 60%;">Basis of the report</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table>	<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
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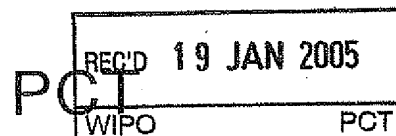
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. +41 22 740 14 35	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Date of issuance of this report 24 April 2006 (24.04.2006)</td> <td style="width: 50%;">Authorized officer</td> </tr> <tr> <td></td> <td style="text-align: center;">Yolaine Cussac</td> </tr> <tr> <td colspan="2">Telephone No. +41 22 338 70 80</td> </tr> </table>	Date of issuance of this report 24 April 2006 (24.04.2006)	Authorized officer		Yolaine Cussac	Telephone No. +41 22 338 70 80	
Date of issuance of this report 24 April 2006 (24.04.2006)	Authorized officer						
	Yolaine Cussac						
Telephone No. +41 22 338 70 80							

VERTRAG ÜBER DIE INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES PATENTWESENS

Absender: INTERNATIONALE RECHERCHENBEHÖRDE

An:

siehe Formular PCT/ISA/220



SCHRIFTLICHER BESCHIED DER INTERNATIONALEN RECHERCHENBEHÖRDE (Regel 43bis.1 PCT)

Absendedatum

(Tag/Monat/Jahr) siehe Formular PCT/ISA/210 (Blatt 2)

Aktenzeichen des Anmelders oder Anwalts
siehe Formular PCT/ISA/220

WEITERES VORGEHEN
siehe Punkt 2 unten

Internationales Aktenzeichen
PCT/EP2004/010795

Internationales Anmeldedatum (Tag/Monat/Jahr)
25.09.2004

Prioritätsdatum (Tag/Monat/Jahr)
20.10.2003

Internationale Patentklassifikation (IPK) oder nationale Klassifikation und IPK
B60K37/06, B60K35/00, G09F9/00

Anmelder
VOLKSWAGEN AKTIENGESELLSCHAFT

1. Dieser Bescheid enthält Angaben zu folgenden Punkten:

- ☒ Feld Nr. I Grundlage des Bescheids
- ☐ Feld Nr. II Priorität
- ☐ Feld Nr. III Keine Erstellung eines Gutachtens über Neuheit, erfinderische Tätigkeit und gewerbliche Anwendbarkeit
- ☐ Feld Nr. IV Mangelnde Einheitlichkeit der Erfindung
- ☒ Feld Nr. V Begründete Feststellung nach Regel 43bis.1(a)(i) hinsichtlich der Neuheit, der erfinderischen Tätigkeit und der gewerblichen Anwendbarkeit; Unterlagen und Erklärungen zur Stützung dieser Feststellung
- ☐ Feld Nr. VI Bestimmte angeführte Unterlagen
- ☐ Feld Nr. VII Bestimmte Mängel der internationalen Anmeldung
- ☐ Feld Nr. VIII Bestimmte Bemerkungen zur internationalen Anmeldung

2. WEITERES VORGEHEN

Wird ein Antrag auf internationale vorläufige Prüfung gestellt, so gilt dieser Bescheid als schriftlicher Bescheid der mit der internationalen vorläufigen Prüfung beauftragten Behörde ("IPEA"); dies trifft nicht zu, wenn der Anmelder eine andere Behörde als diese als IPEA wählt und die gewählte IPEA dem Internationalen Büro nach Regel 66.1bis b) mitgeteilt hat, daß schriftliche Bescheide dieser Internationalen Recherchenbehörde nicht anerkannt werden.

Wenn dieser Bescheid wie oben vorgesehen als schriftlicher Bescheid der IPEA gilt, so wird der Anmelder aufgefordert, bei der IPEA vor Ablauf von 3 Monaten ab dem Tag, an dem das Formblatt PCT/ISA/220 abgesandt wurde oder vor Ablauf von 22 Monaten ab dem Prioritätsdatum, je nachdem, welche Frist später abläuft, eine schriftliche Stellungnahme und, wo dies angebracht ist, Änderungen einzureichen.

Weitere Optionen siehe Formblatt PCT/ISA/220.

3. Nähere Einzelheiten siehe die Anmerkungen zu Formblatt PCT/ISA/220.

Name und Postanschrift der mit der internationalen
Recherchenbehörde



Europäisches Patentamt - P.B. 5818 Patentlaan 2
NL-2280 HV Rijswijk - Pays Bas
Tel. +31 70 340 - 2040 Tx: 31 651 epo nl
Fax: +31 70 340 - 3016

Bevollmächtigter Bediensteter

Clasen, M

Tel. +31 70 340-3407



Feld Nr. I Grundlage des Bescheids

1. Hinsichtlich der **Sprache** ist der Bescheid auf der Grundlage der internationalen Anmeldung in der Sprache erstellt worden, in der sie eingereicht wurde, sofern unter diesem Punkt nichts anderes angegeben ist.
 - ☐ Der Bescheid ist auf der Grundlage einer Übersetzung aus der Originalsprache in die folgende Sprache erstellt worden, bei der es sich um die Sprache der Übersetzung handelt, die für die Zwecke der internationalen Recherche eingereicht worden ist (gemäß Regeln 12.3 und 23.1 b)).
2. Hinsichtlich der **Nucleotid- und/oder Aminosäuresequenz**, die in der internationalen Anmeldung offenbart wurde und für die beanspruchte Erfindung erforderlich ist, ist der Bescheid auf folgender Grundlage erstellt worden:
 - a. Art des Materials
 - ☐ Sequenzprotokoll
 - ☐ Tabelle(n) zum Sequenzprotokoll
 - b. Form des Materials
 - ☐ in schriftlicher Form
 - ☐ in computerlesbarer Form
 - c. Zeitpunkt der Einreichung
 - ☐ in der eingereichten internationalen Anmeldung enthalten
 - ☐ zusammen mit der internationalen Anmeldung in computerlesbarer Form eingereicht
 - ☐ bei der Behörde nachträglich für die Zwecke der Recherche eingereicht
3. ☐ Wurden mehr als eine Version oder Kopie eines Sequenzprotokolls und/oder einer dazugehörigen Tabelle eingereicht, so sind zusätzlich die erforderlichen Erklärungen, daß die Information in den nachgereichten oder zusätzlichen Kopien mit der Information in der Anmeldung in der eingereichten Fassung übereinstimmt bzw. nicht über sie hinausgeht, vorgelegt worden.
4. Zusätzliche Bemerkungen:

Internationales Aktenzeichen
PCT/EP2004/010795

1. Feststellung

Gewerbliche Anwendbarkeit Ja: Ansprüche: 1-20
Nein: Ansprüche:

siehe Beiblatt

Zu Punkt V

Begründete Feststellung hinsichtlich der Neuheit, der erfinderischen Tätigkeit und der gewerblichen Anwendbarkeit; Unterlagen und Erklärungen zur Stützung dieser Feststellung

Es wird auf das/die folgende/folgenden Dokument/e verwiesen:

- D1: DE 198 57 837 A (MANNESMANN VDO AG) 21. Juni 2000 (2000-06-21)
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- D6: WO 03/036455 A (BADARNEH ZIAD) 1. Mai 2003 (2003-05-01)

1. Die vorliegende Anmeldung erfüllt nicht die Erfordernisse des Artikels 33(1) PCT, weil der Gegenstand des Anspruchs 1 im Sinne von Artikel 33(2) PCT nicht neu ist.

Dokument D1 offenbart (die Verweise in Klammern beziehen sich auf dieses Dokument):

Ein Drehknopf zur Bedienung eines Kraftfahrzeuges durch Drehen des Drehknopfes, wobei der Drehknopf eine zumindest teiltransparente, sich bei einer Drehbewegung des Drehknopfes mitdrehende Anzeigeschicht und eine steuerbare Lichtquelle zum Darstellen von veränderbaren Informationen auf der Anzeigeschicht aufweist.

2. Auch die Merkmale der Ansprüche 2,3 und 20 sind bekannt aus D1.

3. Die abhängigen Ansprüche 4-19 enthalten keine Merkmale, die in Kombination mit den Merkmalen irgendeines Anspruchs, auf den sie sich beziehen, die Erfordernisse des PCT in Bezug auf Neuheit bzw. erfinderische Tätigkeit erfüllen, siehe die Dokumente D2 bis D6 und die entsprechenden im Recherchenbericht angegebenen Textstellen.